ZigBee Manager

User Manual

Version: 0.03

Table of contents

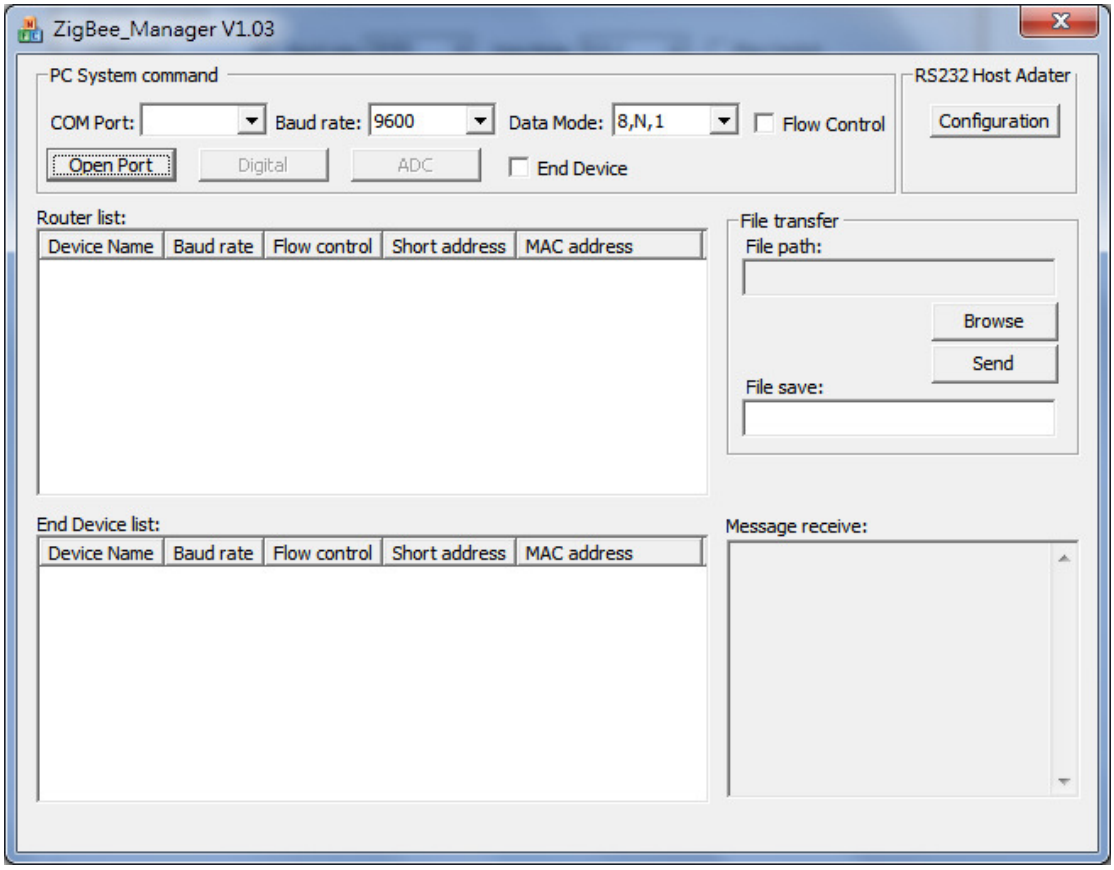
1. Introduction 3
2. ZigBee Manager GUI 3
2.1.1 Open Port 4
2.1.1.1 Close Port 4
2.1.2 Digital 5
2.1.3 ADC 5
2.1.4 End device 5
2.1.5 RS232 Host Adapter Configuration 6
2.1.6 Router list and End Device list 7
2.1.7 File transfer 9
2.1.8 Message receive 10

1. Introduction

This is the user manual for the ZigBee Manager.

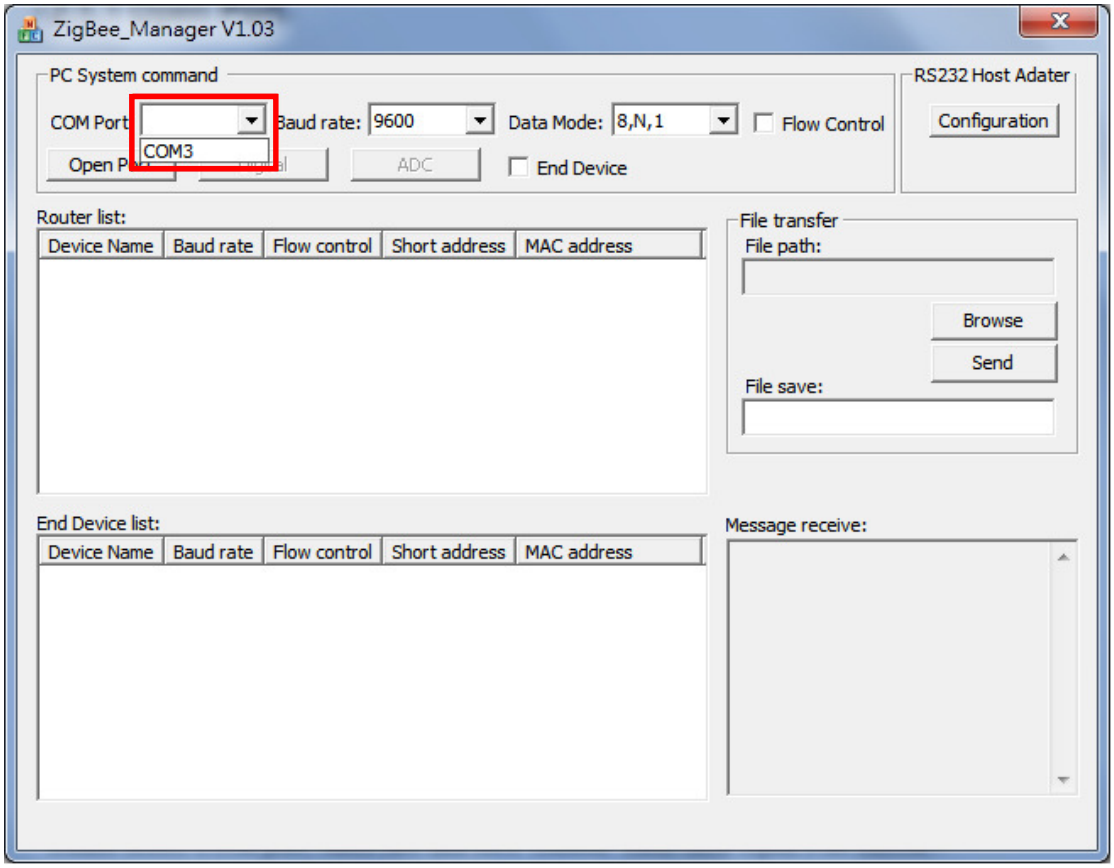
The ZigBee Manager can be used to control the ZigBee Network build with our production. You can set the basic parameter and build your own ZigBee network.

2. ZigBee Manager GUI



2.1 PC System command

2.1.1 Open PC Com Port



Please select COM port, baud rate and flow control. Then click Open Port button. The default baud rate is 9600.

After click Open Port button, the information of each node will show in Router list and End device list.

Please activate hardware first than start run ZigBee Manager.

You can select COM port by middle mouse button or click the red box show in the upper picture.

2.1.1.1 Close PC Com Port

After click Open Port, this button will change to Close Port.

Click Close Port to set COM port free.

2.1.2 Digital

Chose one node from Router list or end device list and click digital button. The blue led will on or off in hardware side.

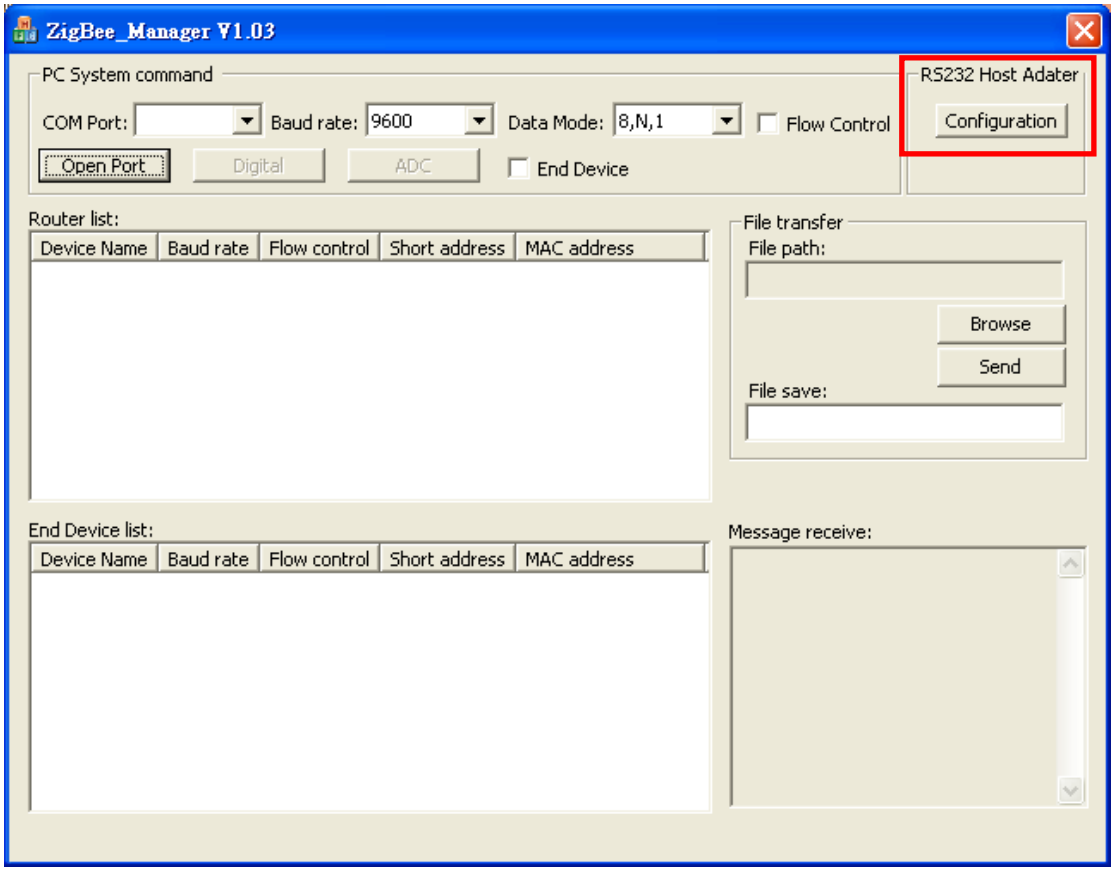
2.1.3 ADC

Chose one node from Router list or end device list and click ADC button. An ADC value will return. And shows in Message receive.

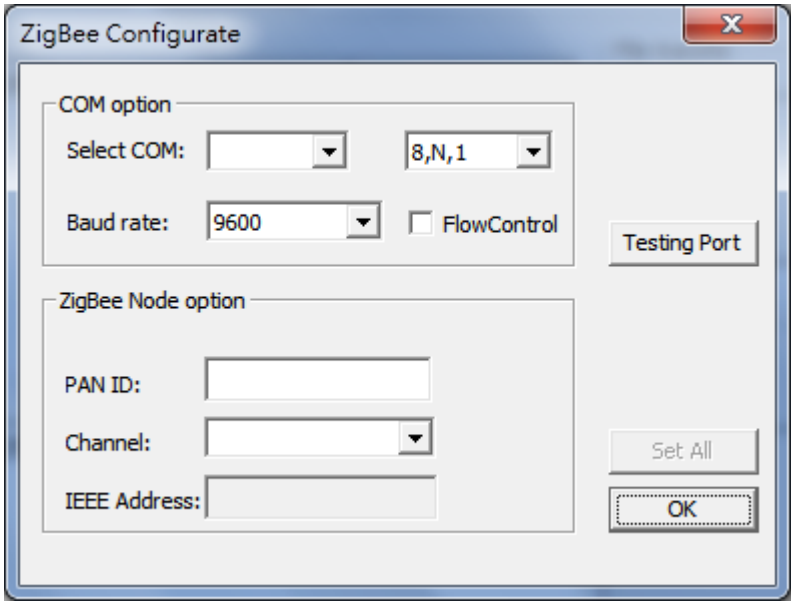
2.1.4 End device

Check this if the node is End Device.

2.1.5 RS232 Host Adapter Setting



After click Configuration button, the information of host Adapter will show as below



In this dialog you can set Baud rate, flow control, data bit, parity, stop bit, PAN ID, channel.

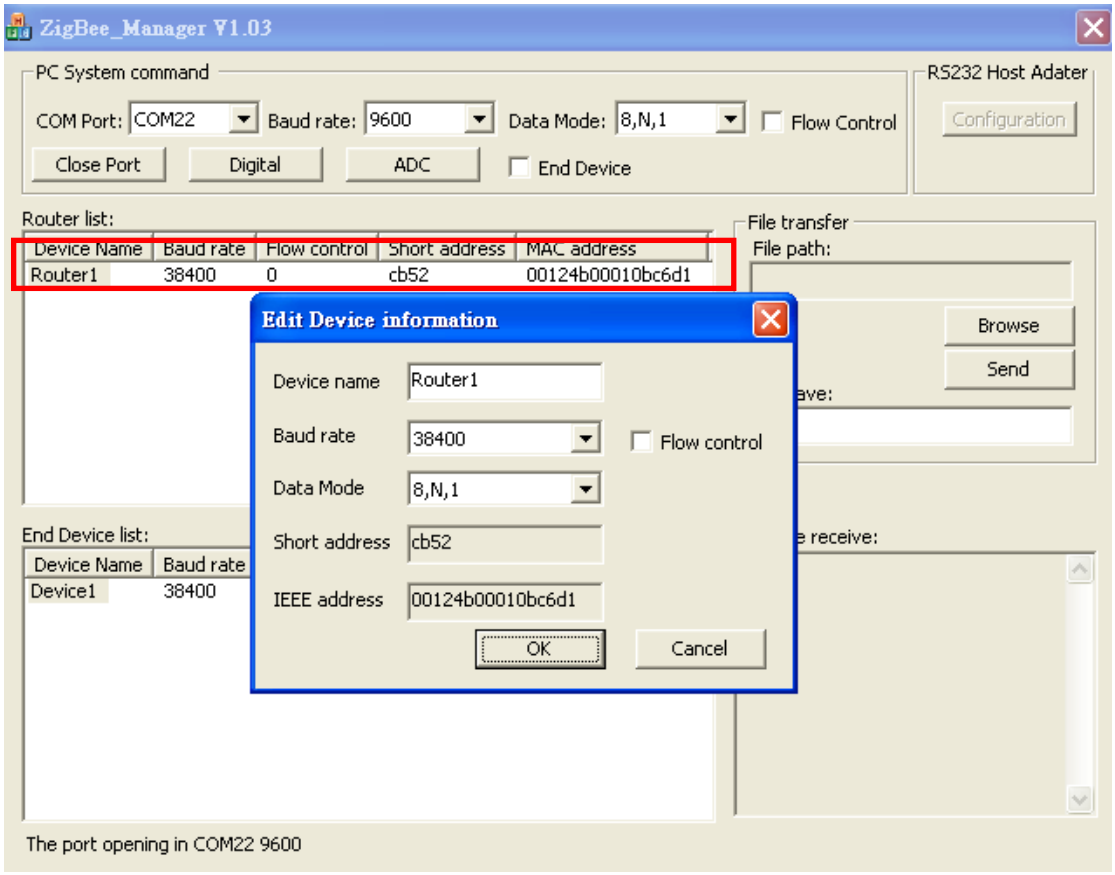
After select all parameter, click Set All button. The information will write into flash.

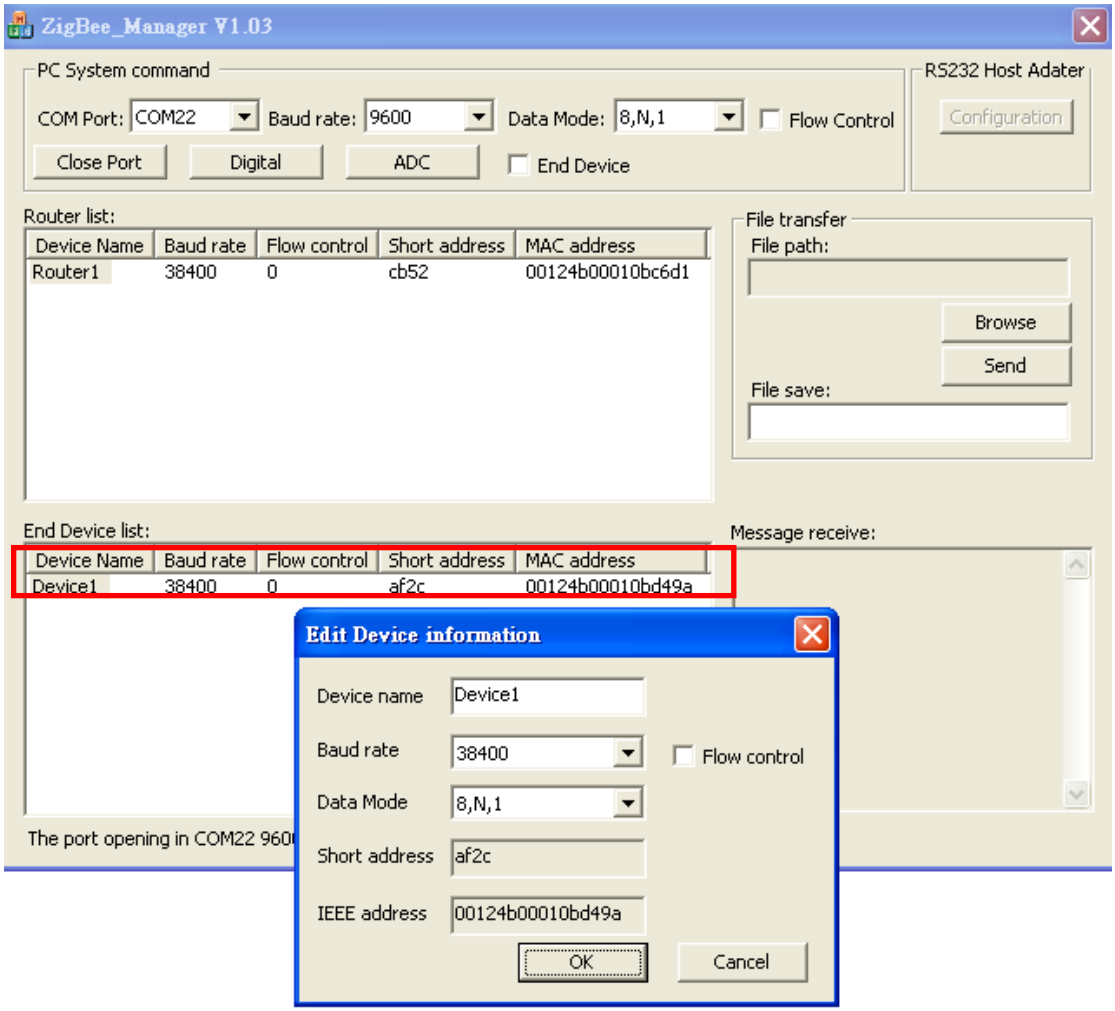
Next time when reboot hardware The Coordinator will create a ZigBee network name by PAN ID in Channel you selected. The End Device will join a network name PAN ID in Channel you set.

PAN ID: 0x0000~0xFFFF(ex: 19FA)

2.1.6 Router list and End Device list

The node information will show in here. Select one node and double click it.


ZigBee_Manager V1.03
PC System command
COM Port: COM22
Baud rate: 9600
Data Mode: 8,N,1
Flow Control
Close Port
Digital
ADC
End Device
RS232 Host Adater
Configuration
Router list:
Device Name
Baud rate
Flow control
Short address
MAC address
Router1
38400
0
cb52
00124b00010bc6d1
File transfer
File path:
Browse
Send
Edit Device information
Device name
Router1
Baud rate
38400
Flow control
Data Mode
8,N,1
Short address
cb52
IEEE address
00124b00010bc6d1
OK
Cancel
End Device list:
Device Name
Baud rate
Device1
38400
The port opening in COM22 9600



You can edit device name and chose Baud rate, flow control.
Click OK to save all information or cancel to ignore it.

2.1.7 File transfer

You can transfer file in this function. Select the file you want to send by click browse button. Select destination in end device list. Check End Device box if the node is End Device. Click Send to start transfer file. Enter file name in File save, the receive file will save in this name. The default file name is FileRecive.txt.

2.1.8 Message receive

The value of ADC function return will show in here.